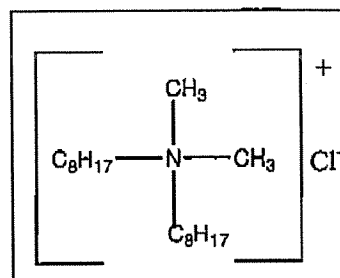


# Lonza

## BARDAC<sup>®</sup> LF BARDAC<sup>®</sup> LF-80

Quaternary Ammonium Compounds  
EPA Registered



Bardac LF and LF-80 are composed of twin chain dimethyl ammonium chloride. The dioctyl dimethyl structure provides a controlled foam biocide, exhibiting low, fast breaking foam with exceptional dynamic controlled foam performance. When used as an active ingredient in FIFRA<sup>1</sup> registered formulations such as hard surface disinfectants, sanitizers and/or certain types of water treatment formulations, these products have been found to provide superior biocidal action against a broad spectrum of microbial organisms such as: bacteria, fungi, viruses, and algae. This "third" generation quaternary ammonium compound delivers potent germicidal action in hard water and organic soil loads.

### Typical Chemical Composition

	<u>Bardac LF</u>	<u>Bardac LF-80</u>
<u>Active Ingredients</u>		
Diocetyl dimethyl ammonium chloride	50%	80%
<u>Inert Ingredients</u>		
Ethyl alcohol	10%	10%
Water	40%	10%

### Typical Properties

Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Color (APHA)	200 Max.	250 Max.
pH (10% solution)	6.5-9.0	6.5-9.0
Flash Point (Setflash, °F)	109	109
Average Molecular Weight	312	312
Specific Gravity @ 25°C	0.93	0.90
Density in lbs./gal.	7.7	7.5
Freezing Point, °F	41	50

### Physical State

Clear, pale yellow to straw liquid with a mild odor. Congealing may occur during storage at low temperatures; this is reversible on warming with mixing.

<sup>1</sup> FIFRA – Federal Insecticide, Fungicide and Rodenticide Act

The seller makes no warranty, expressed or implied, concerning the accuracy of any results to be obtained from the use of this information and no warranty is expressed or implied concerning the use of these products other than indicated within. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent.

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## Solubility

Freely soluble in water, lower alcohols, ketones and glycols.

## Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

### Regulatory

EPA Registration No.:

CAS No.:

### Bardac LF

6836-40

5538-94-3

### Bardac LF-80

6836-50

5538-94-3

Bardac LF and Bardac LF-80 are listed in the United States Environmental Protection Agency TSCA Chemical Inventory list.

## Application

Bardac LF and LF-80 can be incorporated into a substantial number of EPA registered formulations. These formulations include but are not limited to: disinfectants, sanitizers, and industrial water treatment. For more information on Lonza's extensive portfolio of EPA registered formulations and our Supplemental Registration Program please call our Technical Service Hotline at (800) 365-TECH (8324).